



USER MANUAL



Magazine System
COLT 9MM

CONTENTS

	Pages
Introduction	2, 3
Technical Data	4
Description	5, 6
Drawing: Exploded View	7
Loading	8, 9
Use of Personal Loader COLT 9MM	10, 11
Drawing – Correct Assembly	12
Drawing – Incorrect Assembly	13
Precautionary Measures - Sand	14
Disassembly of the C-MAG	15 - 18
Assembly of the C-MAG	19 - 23
Troubleshooting	24, 25
Accessories	26, 27
C-MAG MAGAZINE SYSTEM COLT 9MM	28
List of Part Numbers	29
Spare Parts	30

INTRODUCTION

The C-MAG Magazine COLT 9MM is a 100 round ammunition magazine, manufactured to the highest production standards. It meets and exceeds NATO Military Specifications.

The patented design provides for equal distribution of the ammunition in each of the twin drums. Rounds are fed alternately from each drum through the feed clip into the weapon, resulting in a fixed center of gravity during firing. Using a unique rotation device and low torsion stress springs, the C-MAG is the world's first magazine with a full 100-round capacity, capable of being pre-loaded and stored indefinitely.

The compact design allows for better ground clearance and stability.

The C-MAG for the COLT 9MM Submachine Gun is installed in the weapon like the standard issue magazine, but with **the bolt in the open position** (recommended).

The C-MAG can be reloaded and reused repeatedly with an estimated life cycle of more than 60,000 rounds.



C-MAG 9MM

Technical Data

AMMUNITION:

NATO Standard, 9 x 19 mm Parabellum

CAPACITY: Variable, 1 to 100 rounds

FEED RATE:

Variable, up to 1,500 rounds per minute

DIMENSIONS:

284 mm x 120 mm x 44 mm

11.17 x 4.72 x 1.57 inches

WEIGHT: Empty: 1 kg / 2.2 lbs.

STORAGE LOADED: Indefinite

MATERIALS:

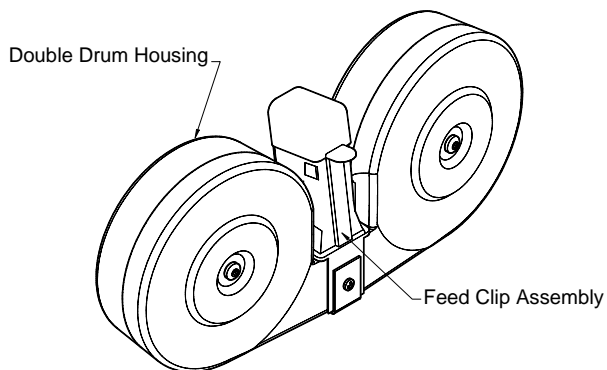
Main Components Filled thermoplastic

Minor Components Non-corrosive steel; alloy

DESCRIPTION

The C-MAG magazine consists of two main component assemblies:

- **Double Drum Housing**
- **Feed Clip Assembly**



The **double drum housing** consists of:

- double drum,
- drive gear assemblies with pusher arms,
- set of covers.

The housing acts as storage facility for the ammunition.

The **feed clip** is filled with

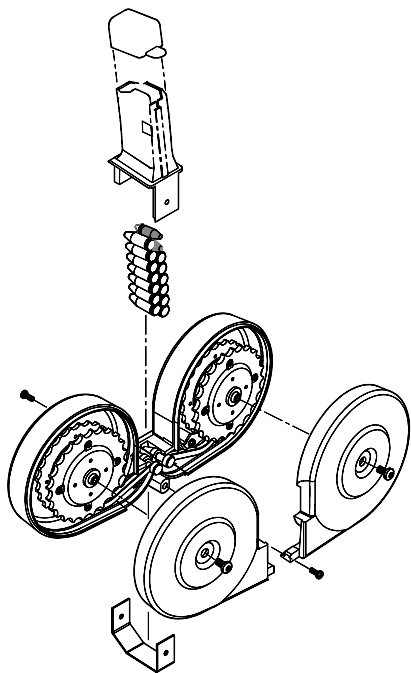
- 15 spacer rounds and
- 1 last-round-link-assembly,

which occupy the feed clip when the magazine is empty.

The **last-round-link-assembly** is positioned vertically at the open end of the feed clip, when the magazine is empty.

WARNING: Do not remove Spacer Rounds and Linked Assembly.

The bolt will stop in the closed position.

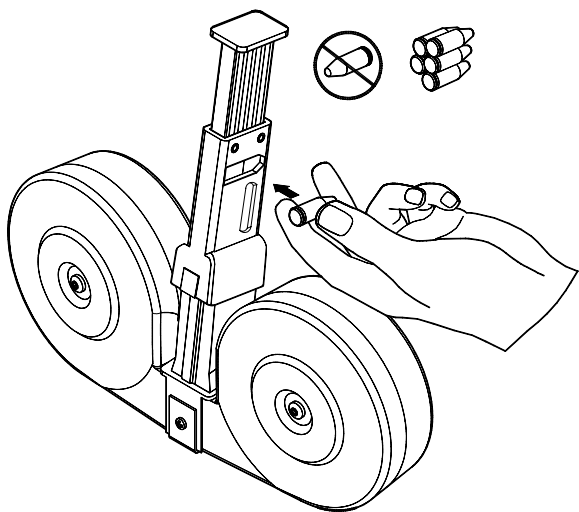


LOADING

- The C-MAG loads and functions like a standard issue magazine.
- Live cartridges are loaded by pressing them into the feed clip (on top of the spacer round assembly). Cartridges will automatically feed alternately into each drum. The springs are tensioned during the process without the need for any supplementary operations.
- The magazine does not need to be empty to be loaded and remains completely operational at all times.
- Loading can be done by hand but is recommended with the Personal Loader.

RECOMMENDATION:

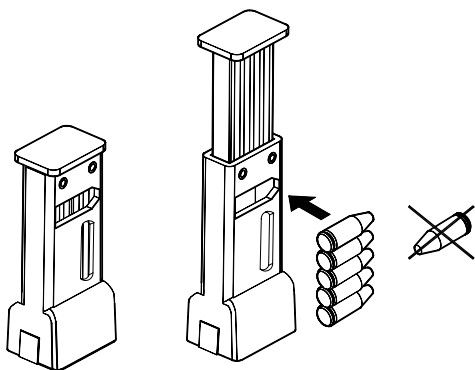
Regularly add graphite (dry lubricant) to top of spacer rounds prior to loading. The loading process distributes the graphite through the drum housing.



Use of the Personal Loader COLT9MM

The Personal Loader consists of two parts:

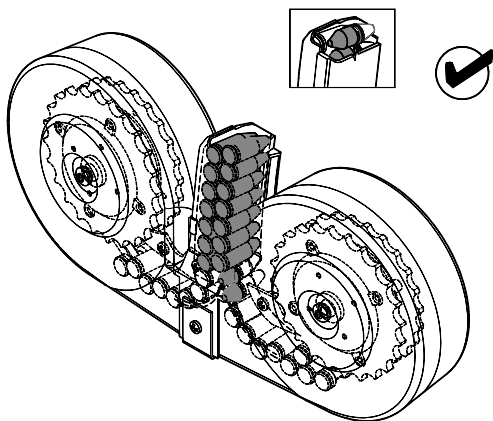
- **Housing** – fits over the feed clip of the C-MAG
- **Plunger** – pushes rounds into the magazine

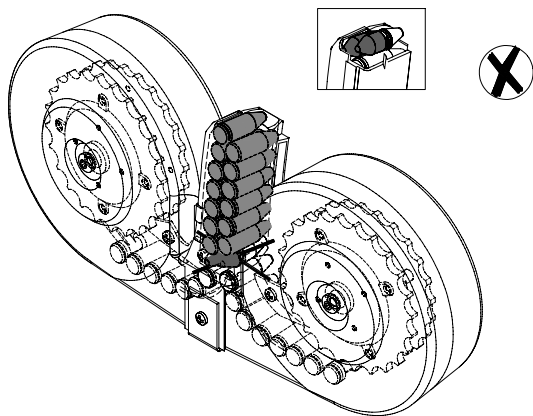


To operate the loader, raise the plunger and insert 5 cartridges into the side opening of the housing, depress plunger to load the rounds into the C-MAG.

WARNING: DO NOT load ammunition backward. The 9mm cartridge has a tendency to turn over easily, when dropped into the loader.

Ammunition loads easily and does not require extra force. If extra force is required, STOP immediately and check for reversed rounds. **The magazine will jam during firing, if rounds are loaded backwards.**





CAUTION

PRECAUTIONARY MEASURES FOR USE IN SAND ENVIRONMENT

- Keep BOLT CLOSED when C-MAG is in the weapon.
- Keep DUST COVER on the feed clip whenever C-MAG IS NOT in the weapon.
- Keep C-MAG in Carrying Pouch when not in use.

DISASSEMBLY OF THE C-MAG

The C-MAG can be taken apart for cleaning or, if necessary, for the clearing of stoppages due to contamination or the accidental reversal of an ammunition cartridge during loading.

1. DISASSEMBLY FOR CLEANING

Take the empty C-MAG and

1.1. Remove Clip Assembly

1.1.a Loosen clip screws.

1.1.b Turn C-MAG over and remove 2 screws and clip strap.

1.1.c Remove 15 spacer rounds and 1 last-round-link-assembly from feed clip.

1.2. Remove Cover Set

WARNING:

Do not disassemble any further.

1.3. Cleaning

Clean drum assembly, covers, feed clip, spacer rounds and linked assembly as recommended below.

CONTAMINATION & ACTION
HARSH SAND, DIRT ETC.: Use cloth, compressed air or flush with water.
FINE SAND, SILT, MUD ETC.: Soak in water with detergent (optional) to saturate and dissolve deposits. Flush with clean water.
OILS, GREASE, RESIDUES FROM SOLVENTS OR FUELS: Use acetone or alcohol. Do not use oily fuels such as diesel, mineral spirits or kerosene. Follow up with detergent and water.
SALT DEPOSITS FROM SEAWATER: Light deposits: Soak in water to dissolve. Heavy deposits: Return to manufacturer.

USE CAUTION

2. DISASSEMBLY FOR CLEARING OF BLOCKAGES

2.1. Remove Clip Assembly

- 2.1.a Hold down clip assembly and loosen screws.
- 2.1.b HOLD DOWN clip assembly while removing screws and clip strap.

CAUTION:

Point C-MAG away from you.

Removing the clip strap may release blockage. Cartridges may be forced out of drum housing. Control release of rounds by holding down clip.

2.2. Remove Cover Set.

CAUTION:

Put C-MAG in container to avoid uncontrolled release of rounds. Point away from you!

- 2.2.a Carefully remove screws and remove cover. Grasp and slowly rotate drive gear to dislodge ammunition. Shake drum assembly if necessary. Do not allow drive mechanism to snap back into place.
- 2.2.b Check for damaged parts.

2.3. Repairs

Magazines with obvious and serious damage to the drum assembly cannot be field repaired and must be returned to the manufacturer for repair.

Removable components are available as spare parts for field replacement.

C-MAG products can be returned to the manufacturer for warranty or post warranty work at any time.

THE BETA COMPANY

2137B Flintstone Drive, Tucker, GA 30084, USA
1-800-669-2382, www.betaco.com

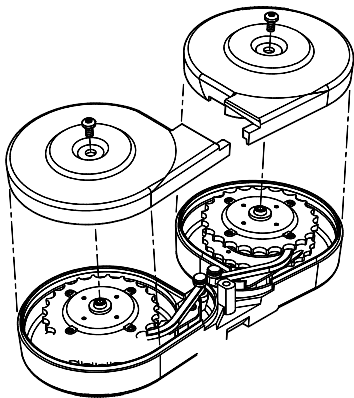
ASSEMBLY OF THE C-MAG

1. **Inspection**

All parts of the C-MAG should be inspected for function or damage prior to assembling. Drive gears in the double drum housing should rotate freely.

2. **Attach covers**

Place covers on drum assembly and attach. Covers are designed for a tight fit.



3. Attach feed clip assembly

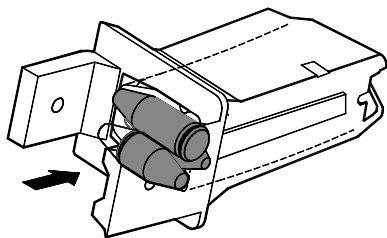
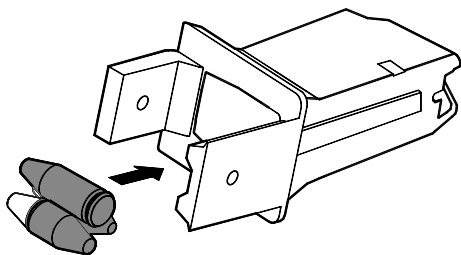
3.1. Load feed clip

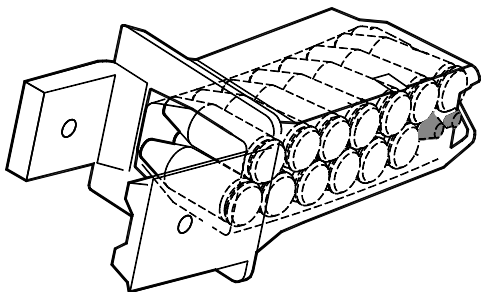
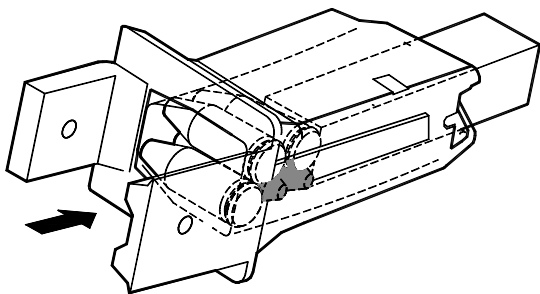
The feed clip holds 15 spacer rounds and 1 last-round-link-assembly.

- Hold feed clip horizontal as shown.
- Place one loose spacer round on top of the last-round-link-assembly as shown and slide into the bottom of the feed clip. Use your finger or any object to hold the 3 round assembly in position.
- Add spacer rounds in a staggering manner and move towards the top of the feed clip until all spacer rounds are loaded.

CAUTION:

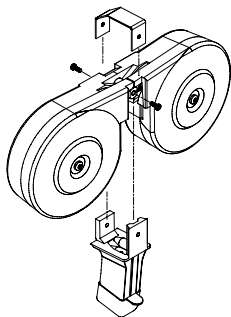
The linked assembly must be at the open end of the feed clip, installed vertically as shown. Short tapered end (silver) pointing to the front, longer tapered part (black) to the back.





3.2. **Attach feed clip to drum housing**

- Invert double drum housing and feed clip assembly. Slide feed clip assembly on to drum housing.
- Add clip strap, attach back screw (over covers) first.
- Turn around holding down feed clip assembly and attach screws. Assembly is complete.
- Depress spacer rounds to check for free movement.
- Add graphite for lubrication.



TROUBLESHOOTING

Characteristic	Cause
Loading stops after about 16 rounds.	Last-round-link-assembly is installed incorrectly.
Loading is very difficult.	(a) Rounds loaded backward; (b) Dirty magazine.
Double feeds in weapon.	Feed Clip may be cracked.
Live rounds are mixed with spacer rounds in feed clip below linked assembly.	One drum hesitated feeding; sign of dirty magazine.
Spacer round is chambered.	Same as above.

TROUBLESHOOTING

Characteristic	Cause
Linked assembly drags in feed clip.	Linked assemblies have become lengthened. May be pushed back together and re-used or exchanged.
Magazine falls out of weapon.	Magazine is not fully seated in weapon.
Weapon fires several rounds, then jams. Magazine feeds well by hand when out of the weapon.	Check for secure attachment between the feed clip and drum assembly.
C-MAG rattles when empty or full.	This is normal.
C-MAG will not hold 100 rounds.	More than 15 spacer rounds in the feed clip.

ACCESSORIES

1. ACCESSORIES

1.1. Personal Loader **See pages 10 and 11.**

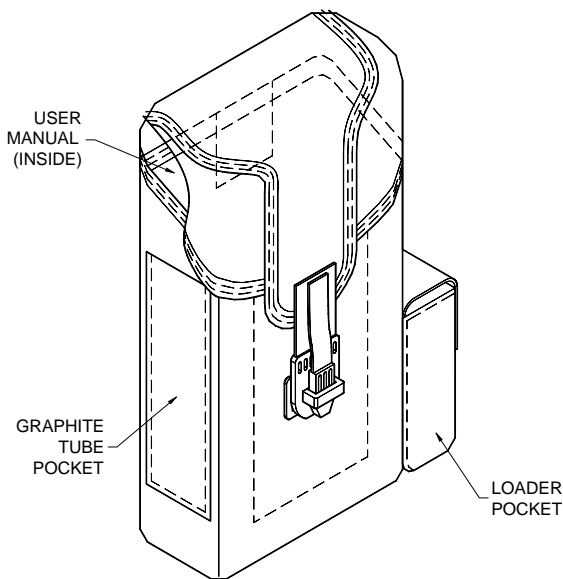
1.2. Pouch

1.2.a The pouch is designed to hold

- 1 C-MAG Magazine
- 1 Personal Loader
- 1 Graphite Tube
- 1 User Manual

1.2b The pouch is equipped with a dual attachment system:

- Belt loop
- Webbing for keeper attachment



C-MAG MAGAZINE SYSTEM COLT 9MM I

Includes the following components:

C-MAG Magazine COLT 9MM

Personal Loader COLT 9MM

Pouch

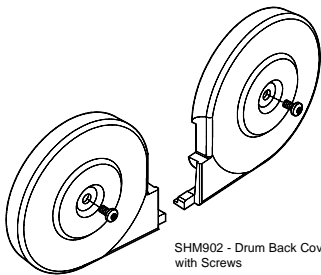
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Graphite Tube

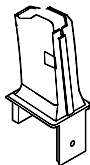


LIST OF PART NUMBERS

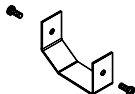
Part No.	Description
MCS901	C-MAG SYSTEM COLT 9MM I
CCS900	C-MAG Magazine COLT 9MM
LCS905	Personal Loader COLT 9MM
PHM906	Pouch
SCS930	Feed Clip COLT 9MM
SHM931	Spacer Round 9MM
AHM932-1	Last-Round-Link-Assembly
SHM902	Drum Back Cover Set 9MM with screws
SHM901	Clip Strap 9MM with screws
SHM960	Dust Cover



SHM902 - Drum Back Cover Set
with Screws



SCS930 - Feed Clip Colt 9MM



SHM901 - Clip Strap 9MM
with screws



SHM931 - Spacer Round 9MM



SHM960 - Dust Cover



AHM932-1 - Last Round
Link Assembly 9MM

For further information contact:

THE BETA COMPANY

2137B Flintstone Drive, Tucker, Georgia 30084, USA

Phone: 1 800 669 2382 or +770 270 0773

Fax: +770 270 0599

Web: www.betaco.com